T05250 T2E59860

Atty Dkt. No. ROC920010109US1
U.S. Serial No. UNKNOWN
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Applicant: IBM
Inventor: Emerick, et al.
Sheet 1 of 35

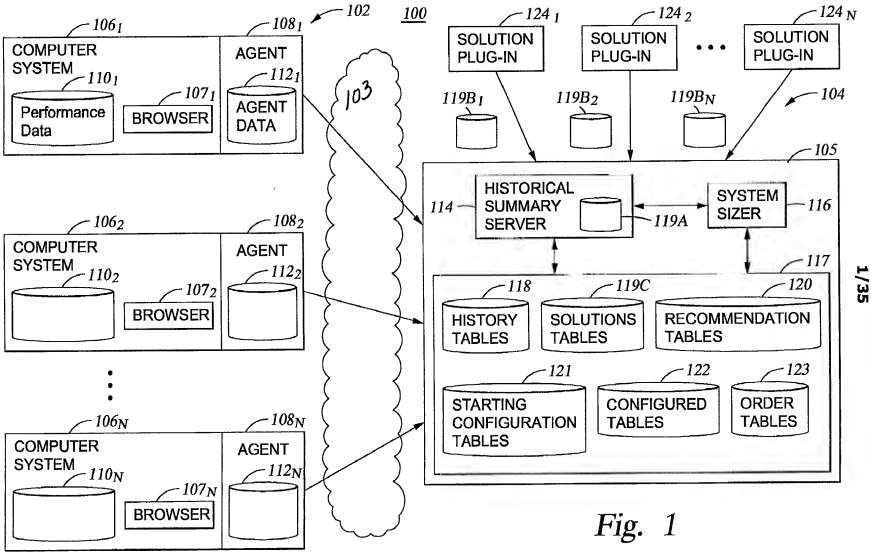

Fig. 1

Atty Dkt. No. ROC920010109US1
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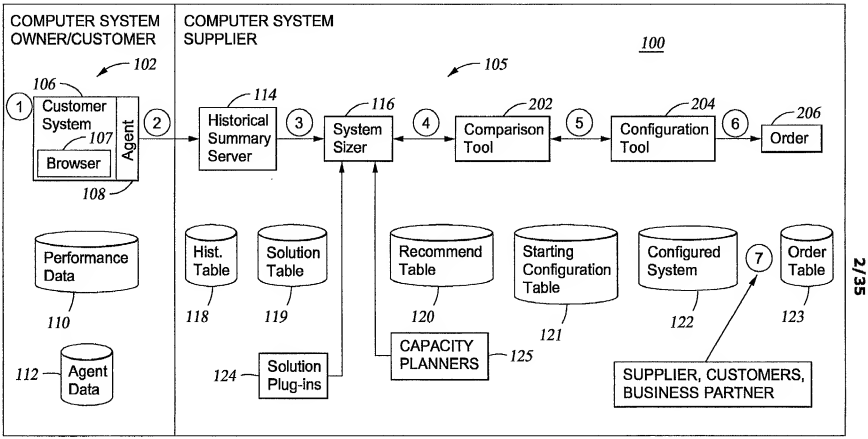

Fig. 2

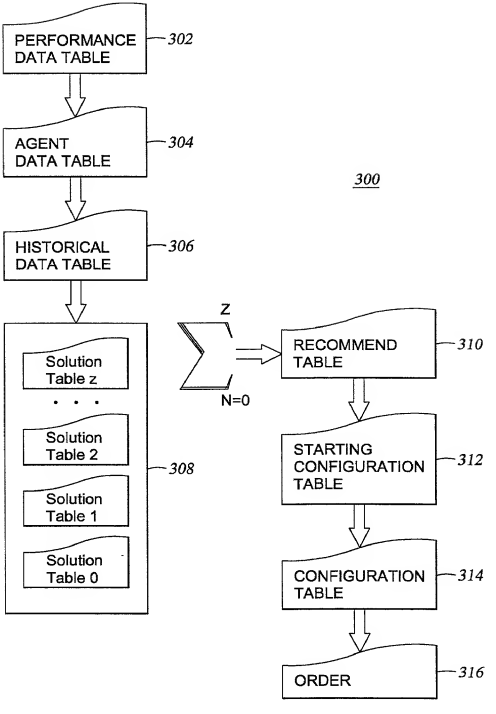
PERFORMANCE DATA TABLE
302
AGENT DATA TABLE
304
300
HISTORICAL DATA TABLE
306
Solution Table z
Solution Table 2
Solution Table 1
Solution Table 0
308
Z
N=0
RECOMMEND TABLE
310
STARTING CONFIGURATION TABLE
312
CONFIGURATION TABLE
314
ORDER
316

Fig. 3

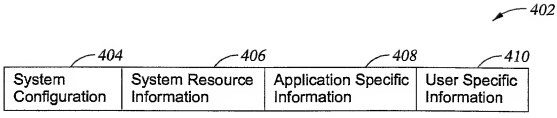
402
404
406
408
410
System Configuration
System Resource Information
Application Specific Information
User Specific Information

Fig. 4

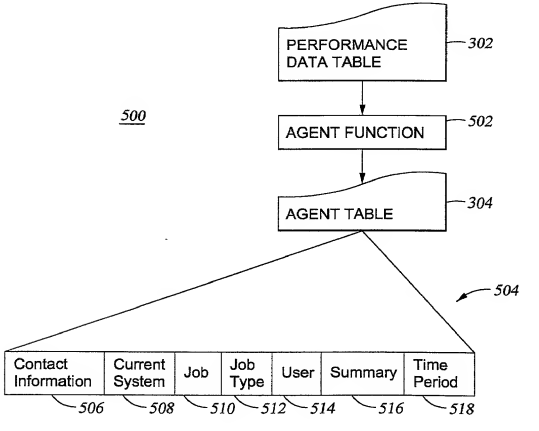
500
PERFORMANCE DATA TABLE
302
AGENT FUNCTION
502
AGENT TABLE
304
504
Contact Information
Current System
Job
Job Type
User
Summary
Time Period
506
508
510
512
514
516
518

Fig. 5

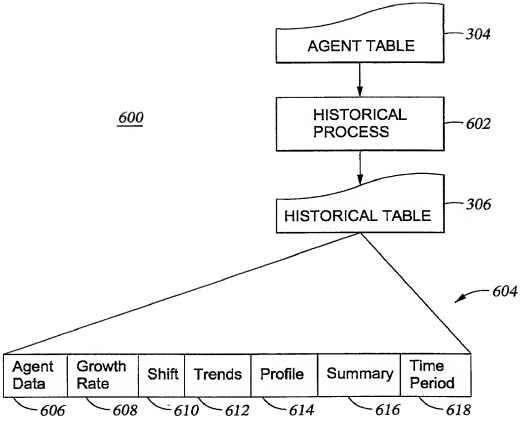
AGENT TABLE
304
600
HISTORICAL PROCESS
602
HISTORICAL TABLE
306
604
Agent Data
Growth Rate
Shift
Trends
Profile
Summary
Time Period
606
608
610
612
614
616
618

Fig. 6

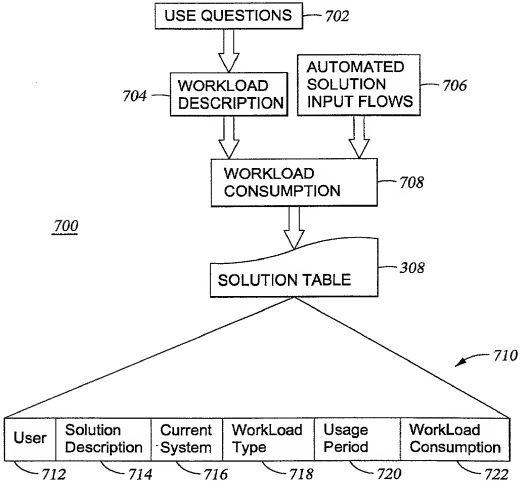
USE QUESTIONS
702
AUTOMATED SOLUTION INPUT FLOWS
706
704
WORKLOAD DESCRIPTION
WORKLOAD CONSUMPTION
708
700
SOLUTION TABLE
308
710
User
Solution Description
Current System
WorkLoad Type
Usage Period
WorkLoad Consumption
712
714
716
718
720
722

Fig. 7

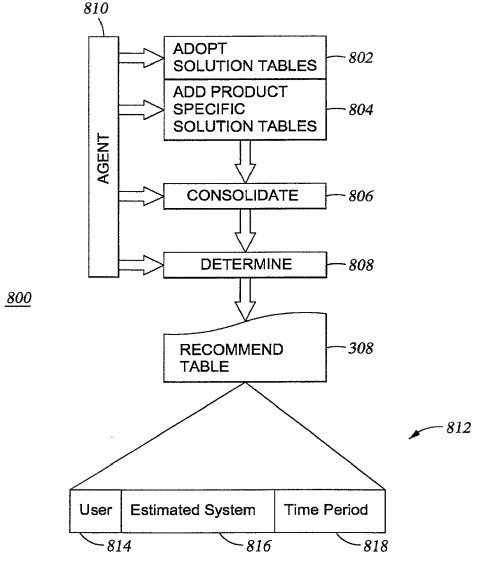
810
AGENT
ADOPT SOLUTION TABLES
802
ADD PRODUCT SPECIFIC SOLUTION TABLES
804
CONSOLIDATE
806
DETERMINE
808
800
RECOMMEND TABLE
308
812
User
Estimated System
Time Period
814
816
818

Fig. 8

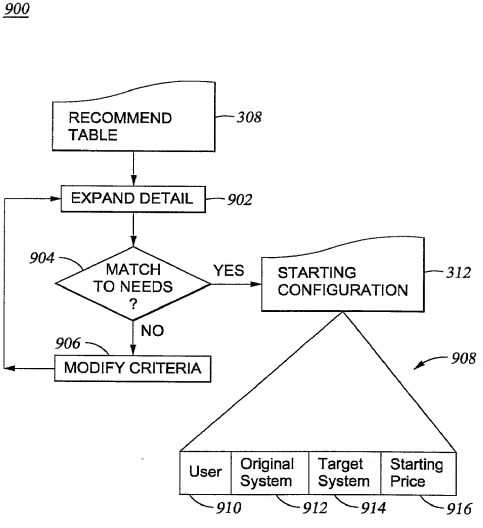
900
RECOMMEND TABLE
308
EXPAND DETAIL
902
904
MATCH TO NEEDS ?
YES
STARTING CONFIGURATION
312
NO
906
MODIFY CRITERIA
908
User
Original System
Target System
Starting Price
910
912
914
916

Fig. 9

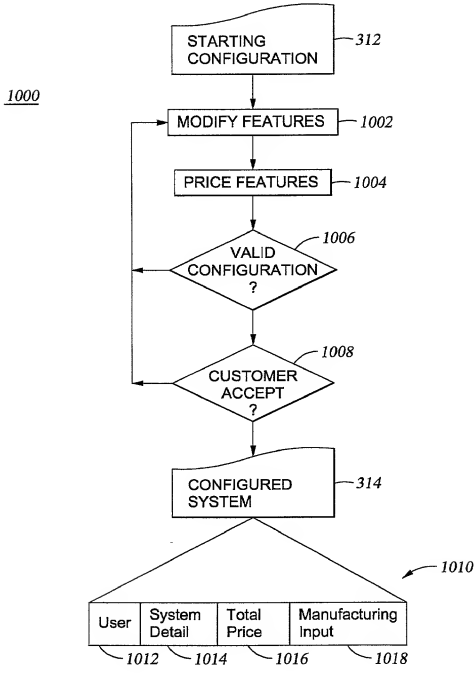
1000
STARTING CONFIGURATION
312
MODIFY FEATURES
1002
PRICE FEATURES
1004
VALID CONFIGURATION ?
1006
CUSTOMER ACCEPT ?
1008
CONFIGURED SYSTEM
314
1010
User
System Detail
Total Price
Manufacturing Input
1012
1014
1016
1018

Fig. 10

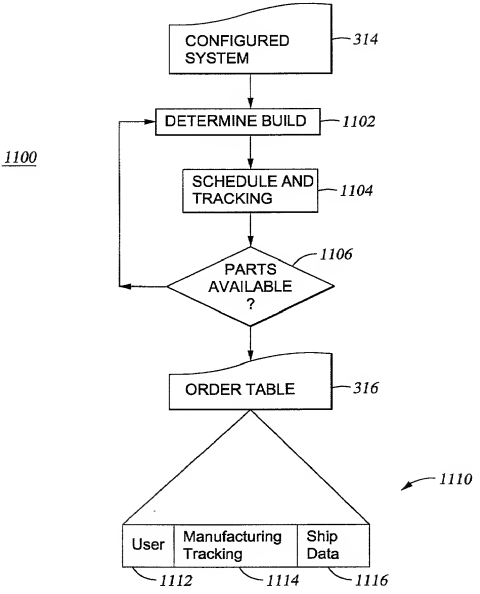
CONFIGURED SYSTEM
314
DETERMINE BUILD
1102
1100
SCHEDULE AND TRACKING
1104
1106
PARTS AVAILABLE ?
ORDER TABLE
316
1110
User
Manufacturing Tracking
Ship Data
1112
1114
1116

Fig. 11

TOS250 T/E59860

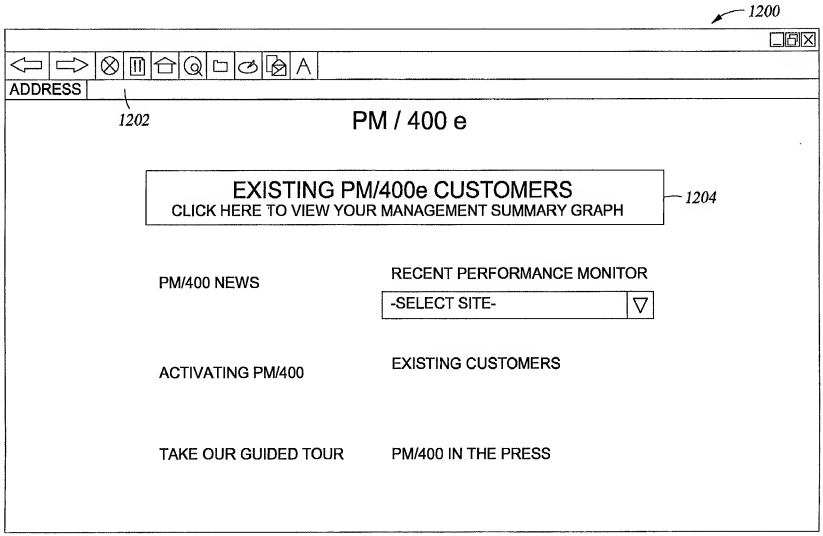

Fig. 12

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Atty Dkt. No. ROC920010109US1
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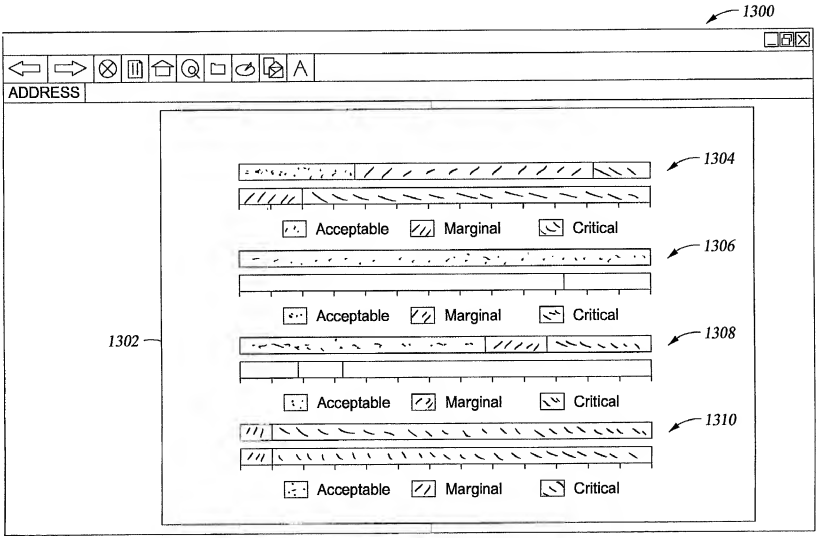

Fig. 13

105250 "T/E59860

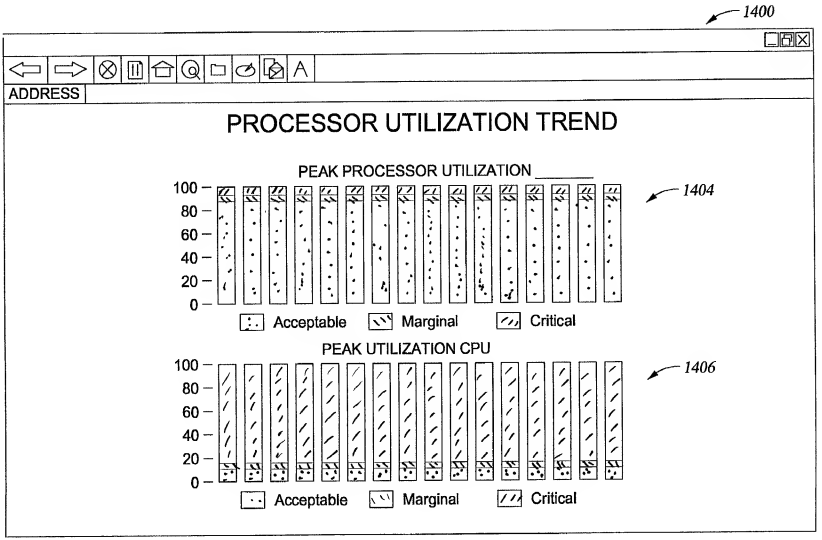

Fig. 14

Atty Dkt. No. ROC920010109US1
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T05250 T/C5986

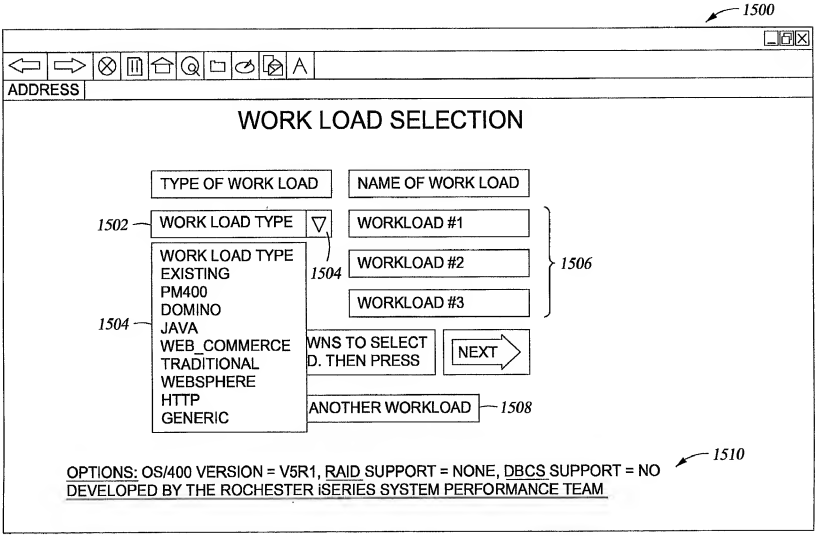

Fig. 15

Atty Dkt. No. ROC920010109US1
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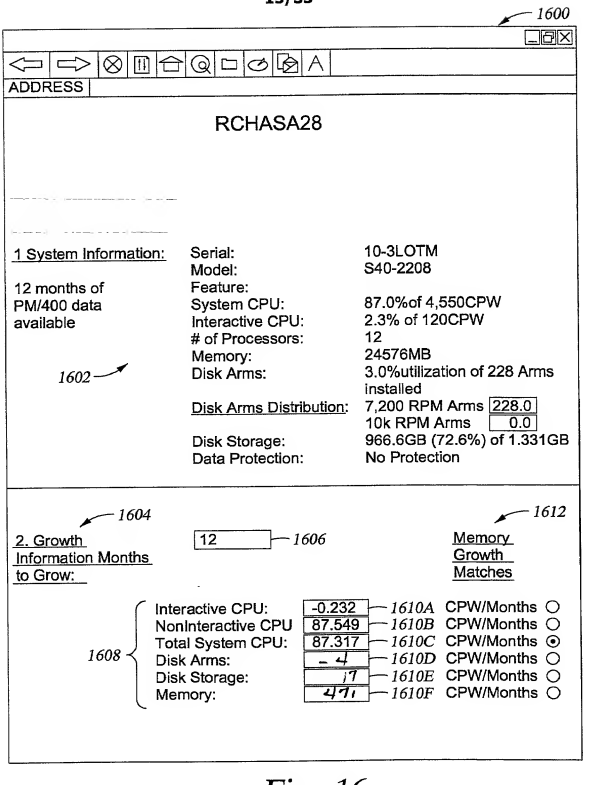
1600
ADDRESS
RCHASA28
1 System Information:
12 months of PM/400 data available
1602
Serial: 10-3LOTM
Model: S40-2208
Feature:
System CPU: 87.0%of 4,550CPW
Interactive CPU: 2.3% of 120CPW
# of Processors: 12
Memory: 24576MB
Disk Arms: 3.0%utilization of 228 Arms installed
Disk Arms Distribution: 7,200 RPM Arms 228.0
10k RPM Arms 0.0
Disk Storage: 966.6GB (72.6%) of 1.331GB
Data Protection: No Protection
1604
2. Growth Information Months to Grow:
12
1606
1612
Memory Growth Matches
1608
Interactive CPU: -0.232 1610A CPW/Months
NonInteractive CPU 87.549 1610B CPW/Months
Total System CPU: 87.317 1610C CPW/Months
Disk Arms: -4 1610D CPW/Months
Disk Storage: 17 1610E CPW/Months
Memory: 471 1610F CPW/Months

Fig. 16

TOS250*T/E59860

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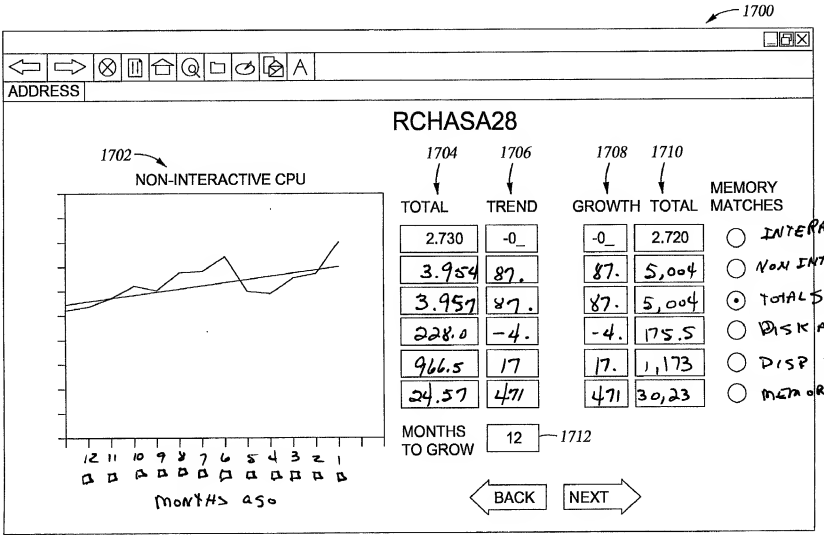
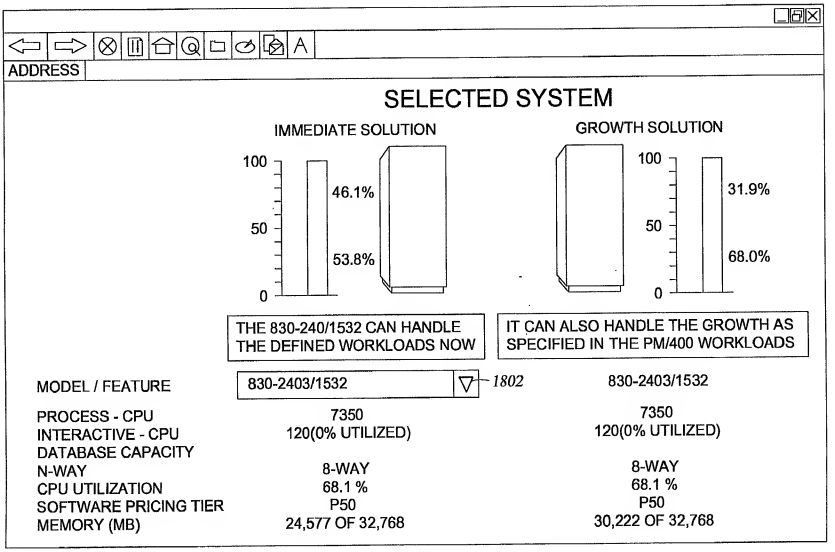


Fig. 17

TOS250" T/E59860



1800

Fig. 18

Atty. Dkt. No. ROC920010109US1
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TO52SO" T/ES9860

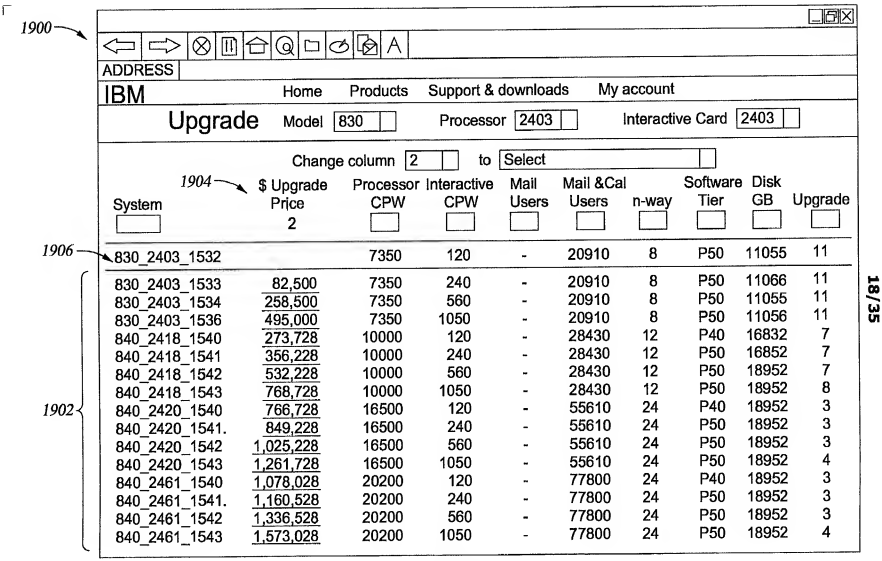

Fig. 19

Atty Dkt. No. ROC920010109US1
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2000

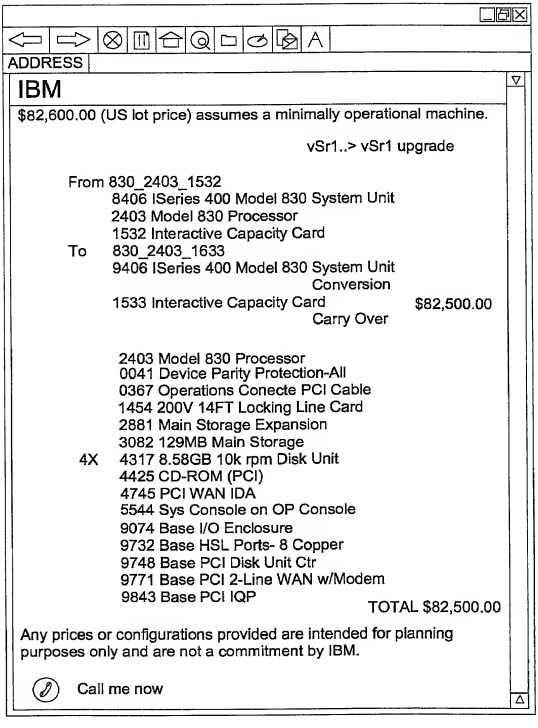
ADDRESS
IBM
$82,600.00 (US lot price) assumes a minimally operational machine.
vSr1..> vSr1 upgrade
From 830_2403_1532
8406 ISeries 400 Model 830 System Unit
2403 Model 830 Processor
1532 Interactive Capacity Card
To 830_2403_1633
9406 ISeries 400 Model 830 System Unit
Conversion
1533 Interactive Capacity Card $82,500.00
Carry Over
2403 Model 830 Processor
0041 Device Parity Protection-All
0367 Operations Conecte PCI Cable
1454 200V 14FT Locking Line Card
2881 Main Storage Expansion
3082 129MB Main Storage
4X 4317 8.58GB 10k rpm Disk Unit
4425 CD-ROM (PCI)
4745 PCI WAN IDA
5544 Sys Console on OP Console
9074 Base I/O Enclosure
9732 Base HSL Ports- 8 Copper
9748 Base PCI Disk Unit Ctr
9771 Base PCI 2-Line WAN w/Modem
9843 Base PCI IQP
TOTAL $82,500.00
Any prices or configurations provided are intended for planning purposes only and are not a commitment by IBM.
Call me now

Fig. 20

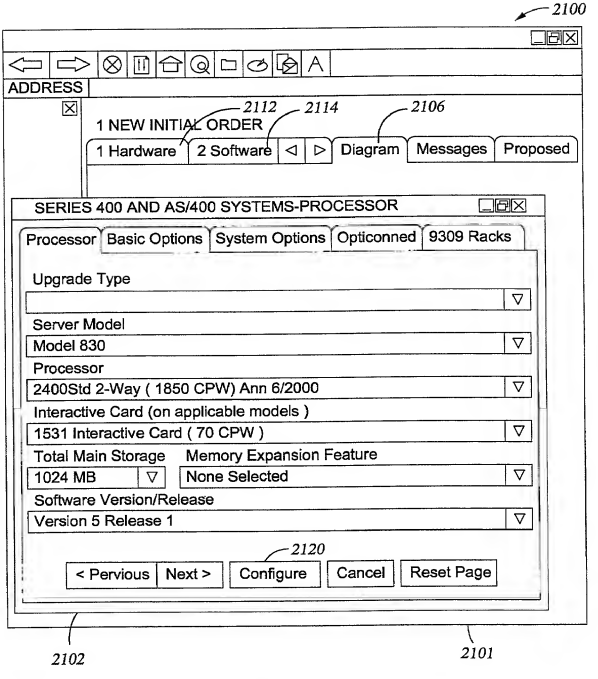
2100
ADDRESS
2112
2114
2106
1 NEW INITIAL ORDER
1 Hardware
2 Software
Diagram
Messages
Proposed
SERIES 400 AND AS/400 SYSTEMS-PROCESSOR
Processor
Basic Options
System Options
Opticonned
9309 Racks
Upgrade Type
Server Model
Model 830
Processor
2400Std 2-Way (1850 CPW) Ann 6/2000
Interactive Card (on applicable models)
1531 Interactive Card (70 CPW)
Total Main Storage
Memory Expansion Feature
1024 MB
None Selected
Software Version/Release
Version 5 Release 1
2120
< Pervious
Next >
Configure
Cancel
Reset Page
2102
2101

Fig. 21

INDIVIDUAL ITEMS

Qty	Part No.	Description	Available	Item Price	Line Total	
1	9406-8XX-5079	1.8m I/O Tower		$56,600.00	$56,600.00	Remove
1	9406-8XX-5101	30-Disk Expansion Feature		$9,000.00	$9,000.00	Remove
1	9406-840-5150	Battery Backup (External)		$2,500.00	$2,500.00	Remove
1	9406-8XX-2685	1063 Mbps OptiConnect Receiver, 830/840 - for initial & MES upgrade orders, 820 - for field upgrade (MES) orders only		$5,000.00	$5,000.00	Remove
1	9406-820-5157	Feature Power Supply		$1,950.00	$1,950.00	Remove
1	9406-820-7127	DASD Expansion Unit (820 Only)		$850.00	$850.00	Remove
4	9406-8XX-2796	256 MB Netfinity IOP Memory 850 MHz PCI for i Series 820,830, 840,SB2, SB3		$805.00	$3,200.00	Remove
1	9406-8XX-2797	1 GB Netfinity IOP Memory 850 MHz PCI for i Series 820,830, 840,SB2, SB3		$6,995.00	$6,995.00	Remove
6	9406-8XX-4318	17.54GB 10k rpm Disk Unit (Ultra-2 SCSI)		$2,520.00	$15,120.00	Remove
4	9406-8XX-4331	1.6GB Read Cache Device		$37,000.00	$148,000.00	Remove
1	9406-8XX-2748	PCI RAID Disk Unit Ctlr		$6,000.00	$6,000.00	Remove

Subtotal $255,235.00* Recalculate

2200

Fig. 22

10020-1255860

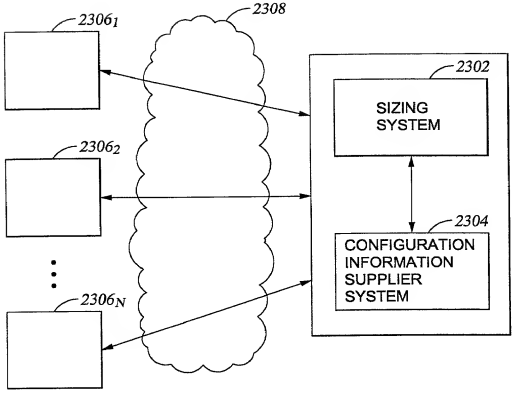
2306$_1$
2308
2302
SIZING SYSTEM
2306$_2$
2304
CONFIGURATION INFORMATION SUPPLIER SYSTEM
2306$_N$

Fig. 23

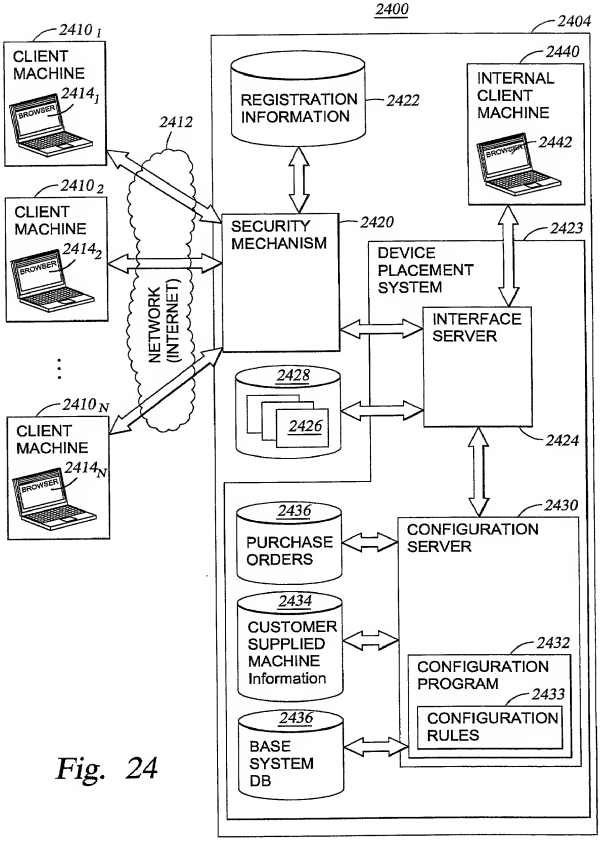

Fig. 24

US 6,259,901 B1

TDS250 T/ES9860

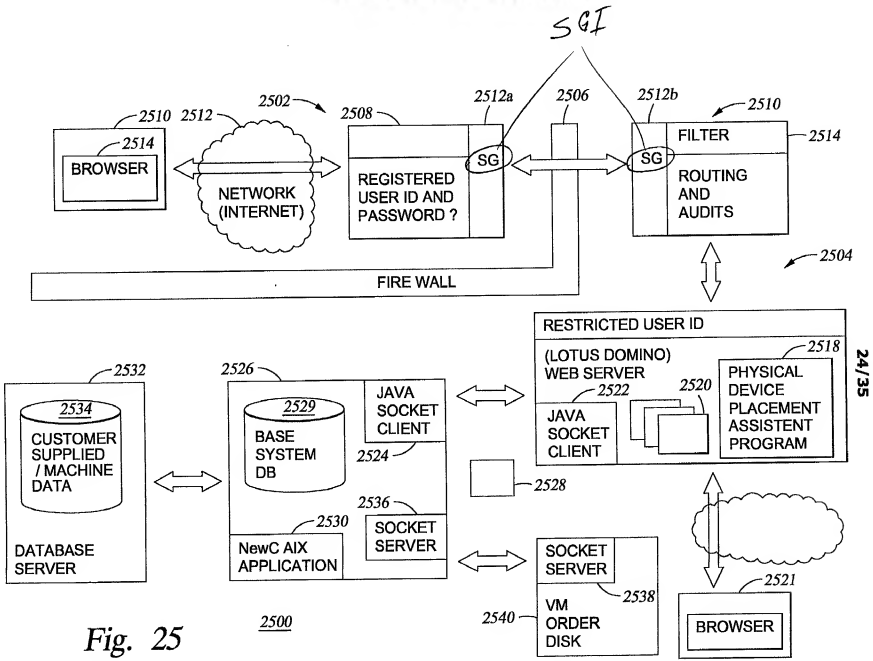

Fig. 25

Atty Dkt. No. ROC920010109US1
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TO52SO* T/E59860

2628A

228A

2602 KEY	2604 VALUE	2606 DESCRIPTION
MTM	9406170	MACHINE TYPE MODEL
SN	0012345	SERIAL NUMBER
VPD	01/02/07	VITAL PRODUCT DATA
CFG	00110031	CONFIGURATION LEVEL
T, 5065	01C00	KEY = TOWER . TOWERTYPE VALUE = TOWER LOCATION
2608 FC 2722 2610 O. 5065 . 02L01 . CC08 2612	2722 2721	TYPE . TOWERTYPE . TOWERLOCATION . SLOTLOCATION
MSG		START OF CONFIGURATION MESSAGES
END		END OF CONFIGURATION MESSAGES

Fig. 26A

TDS250' T/ES9860

2628B

228B

2602 KEY	2604 VALUE	2606 DESCRIPTION
MTM	9406170	MACHINE TYPE MODEL
SN	0012345	SERIAL NUMBER
VPD	01/02/07	VITAL PRODUCT DATA
CFG	00110031	CONFIGURATION LEVEL
T, 5065	01C00	KEY = TOWER . TOWERTYPE VALUE = TOWER LOCATION
2608 — N. 5065 . 02L01 . CC09 — 2610 O. 5065 . 02L01 . CC08 — 2612	2722 2721	TYPE . TOWERTYPE . TOWERLOCATION . SLOTLOCATION
MSG		START OF CONFIGURATION MESSAGES
END		END OF CONFIGURATION MESSAGES

Fig. 26B

Atty Dkt. No. ROC920010109US1
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Inventor: Emerick, et al.
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U.S. Serial No. UNKNOWN
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Inventor: Emerick, et al.
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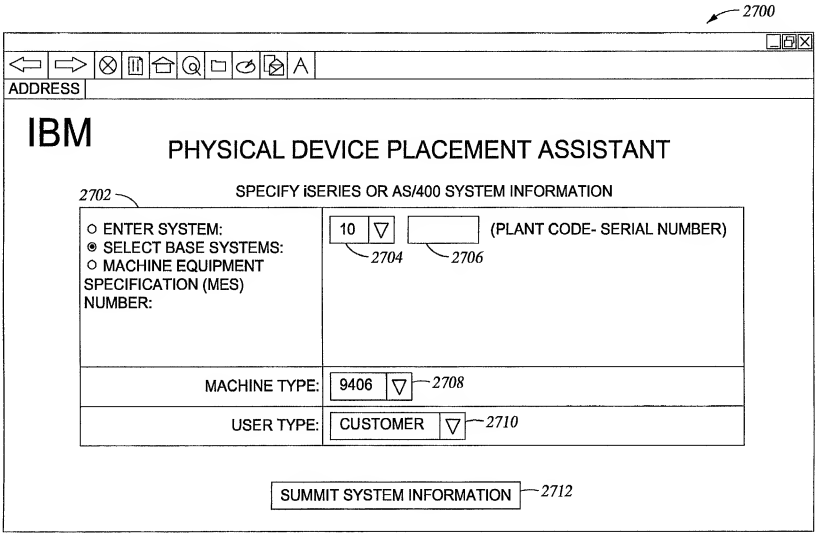

Fig. 27

TD5250' T2659860

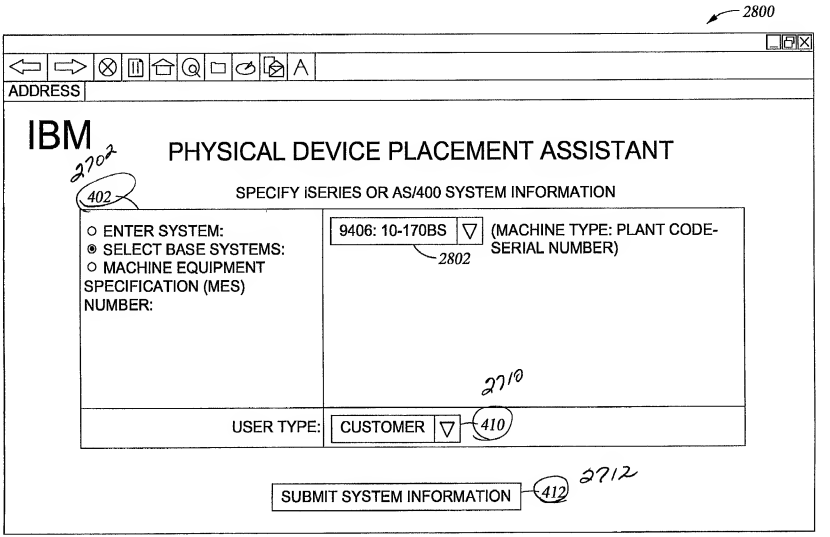

Fig. 28

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09865374 "052501

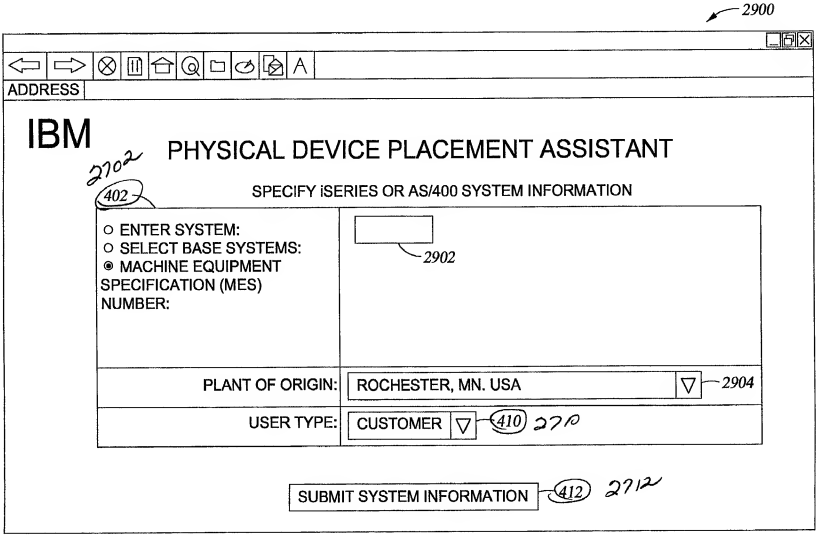

Fig. 29

Atty Dkt. No. ROC920010109US1
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Inventor: Emerick, et al.
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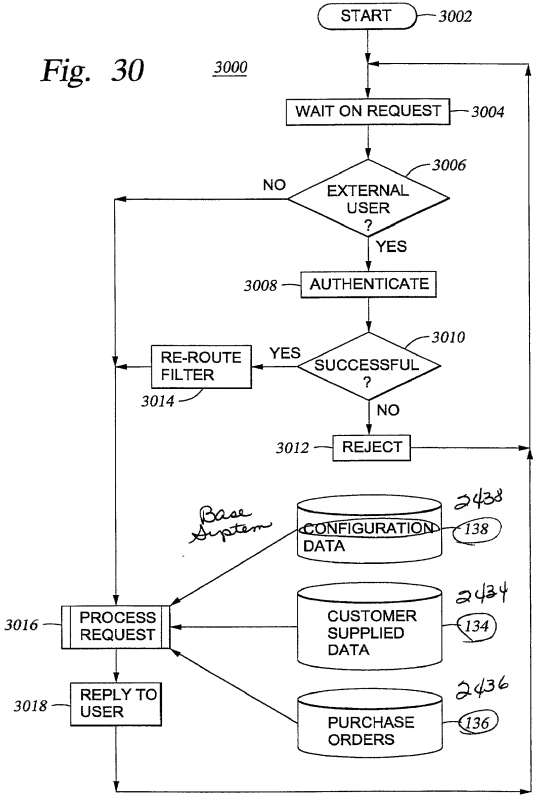
Fig. 30


3000
START
3002
WAIT ON REQUEST
3004
3006
EXTERNAL USER ?
NO
YES
3008
AUTHENTICATE
3010
SUCCESSFUL ?
YES
RE-ROUTE FILTER
3014
NO
3012
REJECT
Base System
CONFIGURATION DATA
138
2438
CUSTOMER SUPPLIED DATA
134
2434
PURCHASE ORDERS
136
2436
3016
PROCESS REQUEST
3018
REPLY TO USER

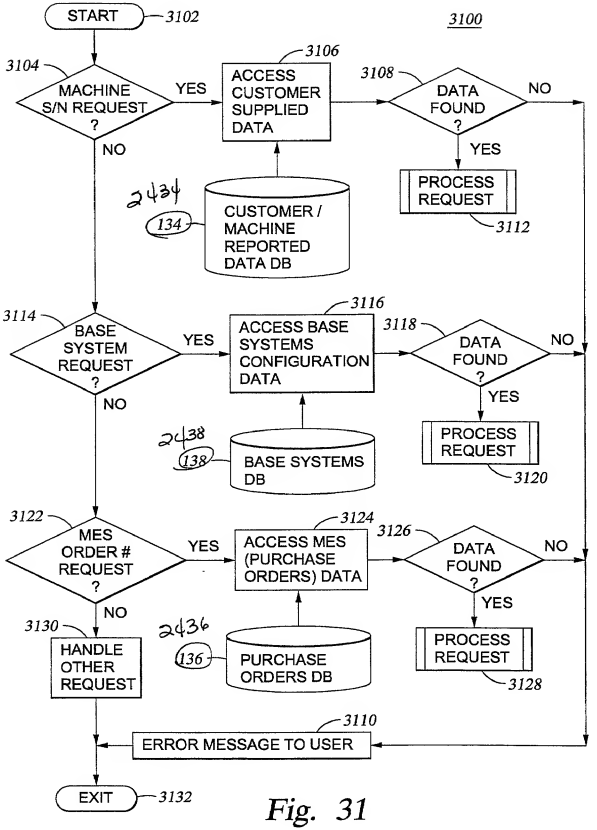

START
3102
3100
3104
MACHINE S/N REQUEST ?
YES
NO
3106
ACCESS CUSTOMER SUPPLIED DATA
3108
DATA FOUND ?
NO
YES
PROCESS REQUEST
3112
2434
134
CUSTOMER / MACHINE REPORTED DATA DB
3114
BASE SYSTEM REQUEST ?
YES
NO
3116
ACCESS BASE SYSTEMS CONFIGURATION DATA
3118
DATA FOUND ?
NO
YES
PROCESS REQUEST
3120
2438
138
BASE SYSTEMS DB
3122
MES ORDER # REQUEST ?
YES
NO
3124
ACCESS MES (PURCHASE ORDERS) DATA
3126
DATA FOUND ?
NO
YES
PROCESS REQUEST
3128
3130
HANDLE OTHER REQUEST
2436
136
PURCHASE ORDERS DB
3110
ERROR MESSAGE TO USER
EXIT
3132

Fig. 31

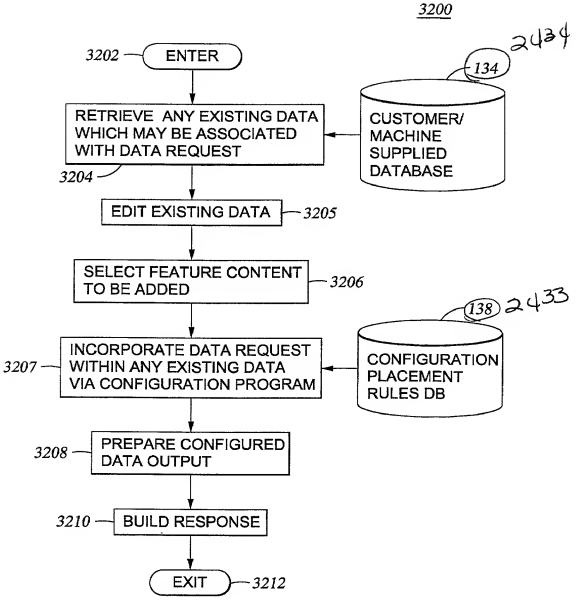

3200
3202
ENTER
2434
134
RETRIEVE ANY EXISTING DATA WHICH MAY BE ASSOCIATED WITH DATA REQUEST
CUSTOMER/ MACHINE SUPPLIED DATABASE
3204
EDIT EXISTING DATA
3205
SELECT FEATURE CONTENT TO BE ADDED
3206
138
2433
INCORPORATE DATA REQUEST WITHIN ANY EXISTING DATA VIA CONFIGURATION PROGRAM
3207
CONFIGURATION PLACEMENT RULES DB
3208
PREPARE CONFIGURED DATA OUTPUT
3210
BUILD RESPONSE
EXIT
3212

Fig. 32

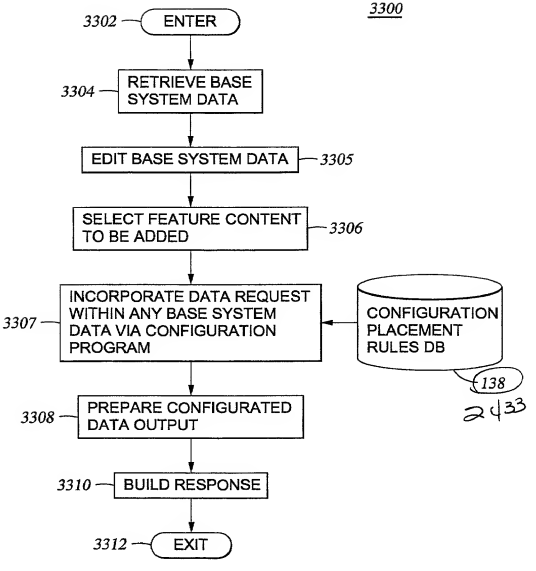

3300
3302
ENTER
3304
RETRIEVE BASE SYSTEM DATA
EDIT BASE SYSTEM DATA
3305
SELECT FEATURE CONTENT TO BE ADDED
3306
INCORPORATE DATA REQUEST WITHIN ANY BASE SYSTEM DATA VIA CONFIGURATION PROGRAM
3307
CONFIGURATION PLACEMENT RULES DB
138
2433
3308
PREPARE CONFIGURATED DATA OUTPUT
3310
BUILD RESPONSE
3312
EXIT

Fig. 33

T05250 T/E59860

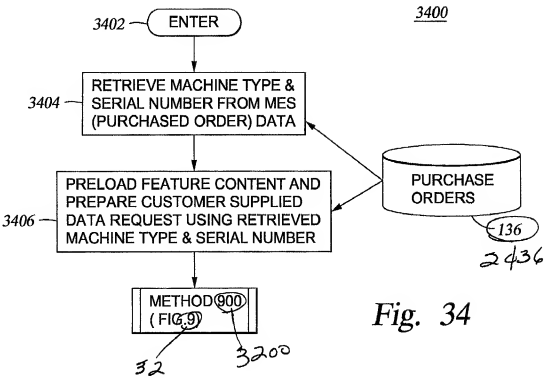


Fig. 34

3500

ADDRESS

IBM

5074 I/O EXPANSION
UNIT MODEL: 820

EDIT

RETURN

MACHINE TYPE: 9406
FRAME: 2

SERIAL NUMBER: 0012345
VPD DATE: 00/12/21

PCI CARDS
REAR VIEW - LEFT SIDE

POSITION	POSITION DESCRIPTION	CCIN
C01	IOP	2843
C02	IOA	2748
C03	IOP/IOA	2838
C04	IOA	*2749*
C05	IOP/INS	EMPTY
C06	IOA	EMPTY
C07	IOA	EMPTY
C08	HSL - NOT A PCI POSITION	
C09	IOP/IOA	EMPTY
C10	IOA	EMPTY
C11	IOP/INS	EMPTY
C12	IOA	EMPTY
C13	IOA	EMPTY
C14	IOP/IOA	EMPTY
C15	IOA	EMPTY

REAR VIEW - RIGHT SIDE
PCI CARDS

Fig. 35